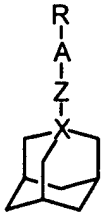
CLAIMS

What is claimed is:

1. A method for inducing CD81 dependent antiproliferation in a human or veterinary patient, said method comprising the step of:

(A) administering to the patient a therapeutically effective amount of an amantadine analogue having the formula:



wherein,

X is Boron or Carbon;

A is NH and NHR1, where R1 is H, alkyl or imino-alkyl amino;

Z is a acyclic or cyclic, saturated or unsaturated, chiral or achiral, straight or branched hydrocarbyl group with from 1 to 10 carbon atoms, C=O, SO2, or absent; and

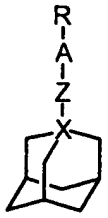
R is an acyclic or cyclic, saturated or unsaturated, chiral or achiral, straight or branched hydrocarbyl group with from 1 to 20 carbon atoms and BCH-R2R3, wherein R2 is selected from aryl, substituted aryl, heteroaryl, substituted heteroaryl, (CH2)n-Q, where n is 1-4 and Q is BSH, -OH, -NH2, -NH-CO-NH2, -NH-C=(NR4) NHR5, -COOH and its alkyl esters, and -CONH2 and R4 and R5 are H, C1-4 alkyl or R4 and R5 may combine to form a cyclic ring, R2 and A may combine to form a cyclic ring; R3 is carboxyl, its alkyl esters, carboxamide or substituted carboxamide, sulfonic acid, sulfonate esters, sulfonamide, substituted sulfonamide, phosphonic and phosphoric acids and their alkyl esters.

2. A method according to No. 1 wherein the method is carried out to prevent or treat Hepatitis C.

3. A composition of matter having the formula:

A method for inducing CD81 dependent antiproliferation in a human or veterinary patient, said method comprising the step of:

(A) administering to the patient a therapeutically effective amount of an amantadine analogue having the formula:



wherein,

X is Boron or Carbon;

A is NH and NHR1, where R1 is H, alkyl or imino-alkyl amino;

Z is a acyclic or cyclic, saturated or unsaturated, chiral or achiral, straight or branched hydrocarbyl group with from 1 to 10 carbon atoms, C=O, SO2, or absent; and

R is an acyclic or cyclic, saturated or unsaturated, chiral or achiral, straight or branched hydrocarbyl group with from 1 to 20 carbon atoms and BCH-R2R3, wherein R2 is selected from aryl, substituted aryl, heteroaryl, substituted heteroaryl, (CH2)n-Q, where n is 1-4 and Q is BSH, -OH, -NH2, -NH-CO-NH2, -NH-C=(NR4) NHR5, -COOH and its alkyl esters, and -CONH2 and R4 and R5 are H, C1-4 alkyl or R4 and R5 may combine to form a cyclic ring, R2 and A may combine to form a cyclic ring; R3 is carboxyl, its alkyl esters, carboxamide or substituted carboxamide, sulfonic acid, sulfonate esters, sulfonamide, substituted sulfonamide, phosphonic and phosphoric acids and their alkyl esters.